

## Emergency Support Function #11 – Food Supply, Water, & Natural Resources

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### ESF Coordinator:

Parks & Recreation Department  
(Food Supply)  
Tucson Water Department  
(Water)  
Housing & Community Development  
(Natural Resources)

### Support Agencies:

Community Services Department  
Environmental Services Department  
General Services Department  
    Architecture & Engineering Division  
    Facilities Management Division  
Tucson Police Department  
Procurement Department  
Department of Transportation  
Rio Nuevo Project  
American Red Cross  
Area School Districts  
Salvation Army  
VOAD  
Pima County Office of Emergency  
    Management & Homeland Security  
Pima County Health Department

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### Primary Agency:

Parks & Recreation Department (Food Supply)  
Tucson Water Department (Water)  
Housing & Community Development Department (Natural Resources)

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## Purpose

Emergency Support Function (ESF) #11 – Food Supply, Water, and Natural Resources supports City and regional efforts to address: 1) the provision of nutrition assistance; 2) the assurance of food safety and food security; 3) the safety and security of the potable water supply; and 4) the protection of natural and cultural resources, and historic properties (NCH) resources prior to, during, and after an Incident of Local or Regional Significance.

## Scope

This ESF is applicable to events within or impacting on the City of Tucson when it will be necessary to provide support to relief organizations such as the American Red Cross and Salvation Army, and the City of Tucson Water Department and regional water districts for the procurement, staging, and distribution of food and potable water.

ESF #11 consists of four primary functions:

- **Provision of nutrition assistance** – This includes determining nutrition assistance needs, obtaining appropriate food supplies, and arranging for delivery of the supplies (Parks & Recreation Department)
- **Assurance of the safety and security of the commercial food supply** – This includes the inspection and verification of food safety aspects of products in distribution and retail sites; laboratory analysis of food samples; control of products suspected to be adulterated; foodborne disease surveillance; and field investigations. Regional responsibility for the safety and security of the commercial food supply is the responsibility of the Pima County Health Department (PCHD). The City of Tucson Parks & Recreation Department will coordinate the duties of this ESF with the PCHD and other ESF #11 support groups.
- **Potable water supply, safety and security** – This includes the delivery of the City's (and regional user's) potable (drinkable) water; obtaining potable water from other sources; ensuring the safety of the water distribution systems; and ensuring the safety of the water distribution sites. This responsibility rests with the City of Tucson Water Department.
- **Protection of NCH resources** – This includes appropriate actions to conserve, rehabilitate, recover, and restore the City of Tucson's natural and cultural resources, and historic properties resources (NCH). This is the responsibility of the City of Tucson Housing & Community Development Department.

## ***Situation***

### **Emergency/Disaster Conditions and Hazards**

The City of Tucson is vulnerable to all of the natural and technological disasters that are detailed in the Pima County Hazard Mitigation Plan (HMP) - draft form submitted on October 31, 2005. A large-scale disaster impacting the population of the City will overextend the resources of the City of Tucson government to adequately respond. A proclamation of disaster may be signed by the Mayor of Tucson in order to acquire county, state, and federal support.

### **Planning Assumptions**

- The local and regional utilities, communications, lifelines, medical, and transportation systems and networks will sustain damage. Disaster response and recovery activities will be difficult to coordinate.
- Public, private, and volunteer organizations and the general public will have to utilize their own resources and be self-sufficient for a minimum of three days.
- No single agency or organization will be able to satisfy all emergency food and water resource requests during a major emergency or disaster.
- A partnership approach will be needed between public, private, and volunteer agencies in order to provide food and water for large-scale disaster events in the City of Tucson.
- Shortages of emergency response personnel may exist creating a need for auxiliary fire, police, search and rescue, emergency medical, transit, public works, utilities, and shelter manager personnel. Private sector support will be needed to augment disaster response and recovery efforts.

- The City of Tucson will have to coordinate the procurement and distribution of emergency food and water with Pima County and regional municipalities, volunteer agencies, food retailers, and other state and federal government agencies.

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## **Concept of Operations**

### **General**

The City of Tucson and/or Pima County Emergency Operation Centers will be the coordination point for food and water planning, purchasing, and distribution. Food and water support will be a cooperative effort between the City, county, regional cities, state and federal agencies, volunteer organizations, and the private sector.

### **Comprehensive Emergency Management**

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#### **Preparedness**

ESF #11 primary and support agencies are responsible for ensuring that the following preparedness items are fully addressed:

- Review and revise their Standard Operating Procedures (SOPs)/Standard Operating Guidelines (SOGs) annually
- Establish procedures for alerting their own personnel and other key employees in an Incident of Local or Regional Significance
- Update equipment and resource listings on an annual or more frequent basis, and distribute them appropriately
- Revise mutual aid agreements as needed
- Train employees on specific ESF functions
- Develop interests and partnerships with businesses and food and water supply and distribution support agencies
- Regularly attend scheduled tabletop exercises and all other applicable training events
- Review and analyze lessons learned in emergency/disaster incidents that have occurred elsewhere, and make appropriate corrections/additions to their respective SOPs/SOGs and this ESF

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#### **Response**

ESF #11 primary and support agencies are responsible for ensuring that the following response items are fully addressed:

- Establish and maintain contact with the Incident Commander and/or appropriate Emergency Operations Center (EOC) for instructions
- Determine operational capacity of the food and water supply and distribution network
- Maintain ongoing information exchange with ESF #5
- Maintain complete and accurate documentation of all related costs, actions, and communications

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## **Recovery**

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ESF #11 primary and support agencies are responsible for ensuring that the following recovery items are fully addressed:

- Consult with ESF #5 and ESF #14 – Long-term Community Recovery & Mitigation regarding needed recovery strategy
- Assess losses of equipment and personnel, develop estimates of monetary loss, and identify possible funding sources
- Assess the need for critical incident stress management for personnel

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## **Mitigation/Prevention**

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ESF #11 primary and support agencies are responsible for ensuring that the following mitigation/prevention items are fully addressed:

- Conduct threat, risk, and vulnerability assessments of key ESF infrastructure
  - Review and analyze lessons learned in emergency/disaster incidents that have occurred elsewhere, and make changes where applicable
  - Reconstruct damaged or destroyed facilities and mitigate deficiencies where appropriate
  - Replace equipment, vehicles and/or personnel
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## **Responsibilities**

### **Primary Agency: Parks and Recreation Department**

The Parks and Recreation Department is the primary agency for food distribution for the City of Tucson during an Incident of Local or Regional Significance. The Parks and Recreation Department will provide personnel to work in the City of Tucson and/or Pima County EOC to coordinate food planning, procurement, and distribution with the American Red Cross, Salvation Army, Southern Arizona VOAD, other faith based organizations, and other private food distribution systems.

The Department is responsible for ensuring that systems are in place and operational regarding the procurement and distribution of food in the event of an Incident of Local or Regional Significance. Specific responsibilities are as follows:

- Identify those public and/or private businesses/agencies/organizations that are in the food supply and distribution industry, and that are capable of assisting the City when food shortages appear to be imminent.
- Coordinate with the City's Procurement Department and the City Attorneys Office to ensure that purchase orders, MOUs, or other legal documents are on record and current with the aforementioned businesses.
- Manage the financial aspects of the ESF #11 response, including the funding of mission assignments and/or reimbursable agreements, as they pertain to food supply and distribution.
- Identify food storage facilities as necessary.

- Provide facilities, equipment, and staff to assist in the distribution of food resources, as necessary.

### **Primary Agency: Tucson Water Department**

The City of Tucson Water Department is the primary agency for potable water supply and distribution. Tucson Water Department personnel will be assigned to work in the City and/or Pima County EOC and will coordinate planning and distribution issues related to water needs with applicable agencies and partners.

The Department is responsible for ensuring that systems are in place and operational regarding the procurement and distribution of water in the event of an Incident of Local or Regional Significance. Specific responsibilities are as follows:

- Manage the financial aspects of the ESF #11 response, including the funding of mission assignments and/or reimbursable agreements, as they pertain to potable water supply and distribution.
- Identify alternate water sources as necessary for both human consumption and firefighting operations.
- Coordinate with the City's Procurement Department and the City Attorneys Office to ensure that purchase orders, MOUs, or other legal documents are on record and current.
- Provide facilities, equipment, and staff to assist in the distribution of water resources, as necessary.

### **Primary Agency: Housing & Community Development Department**

The City's Housing & Community Development Department is the primary agency responsible for the protection/conservation, rehabilitation, recovery, and restoration of the natural and cultural resources, and historic properties (NCH) resources within the City limits. The Department will provide personnel, as required, to the City and/or County EOC to coordinate these duties and actions.

The Department is responsible for ensuring that systems are in place and operational regarding the conservation, rehabilitation, recovery, and restoration of the City's natural and cultural resources and historic properties in the event of an Incident of Local or Regional Significance. Specific responsibilities are as follows:

- Manage the financial aspects of the ESF #11 response, including the funding of mission assignments, as they pertain to natural and cultural resources, and historic properties.
- Coordinate the rehabilitation and/or recovery of NCH properties with other City Departments and the private sector as necessary
- Provide facilities, equipment, and staff to assist in the rehabilitation and/or recovery of NCH assets as necessary.

## Support Agencies

Agency	Functions
Environmental Services Department	<ul style="list-style-type: none"> <li>Assist the Parks &amp; Recreation Department, and the Pima County Public Health Department, in disposing of food supplies that are no longer fit for human consumption</li> </ul>
General Services Department	<p><b>Architecture and Engineering Division</b></p> <ul style="list-style-type: none"> <li>Provide management of contractors for stabilization and/or restoration of historic structures</li> </ul> <p><b>Facilities Management Division</b></p> <ul style="list-style-type: none"> <li>Maintain City-owned facilities used to assist with the efficient distribution of food and water resources</li> </ul>
Tucson Police Department	<ul style="list-style-type: none"> <li>Provide security escorts for food and water supply distribution, if needed</li> </ul>
Procurement Department	<ul style="list-style-type: none"> <li>Provide procurement personnel to work in the City and/or County EOC to purchase food, water and other supplies, as needed</li> </ul>
Department of Transportation	<ul style="list-style-type: none"> <li>Provide food and water distribution transportation and staff resources, as needed</li> </ul> <p><b>Real Estate Division</b></p> <ul style="list-style-type: none"> <li>Assist in identifying and acquiring property required for emergency food storage and distribution needs</li> </ul>
Rio Nuevo Project	<ul style="list-style-type: none"> <li>Assist the Urban Planning and Design Department in identifying and maintaining downtown area natural and cultural resources, and historic properties</li> </ul>
American Red Cross	<ul style="list-style-type: none"> <li>Provide planning staff to the EOC to facilitate food and water resources to shelters</li> <li>Provide staff, supplies, and food service as disaster conditions dictate and resources allow</li> </ul>
Area School Districts	<ul style="list-style-type: none"> <li>Provide personnel and kitchen facilities for food preparation and distribution needs, as needed and as capable</li> </ul>
Salvation Army	<ul style="list-style-type: none"> <li>Provide staff to facilitate food and water resources to shelters</li> </ul>
VOAD	<ul style="list-style-type: none"> <li>Provide staff to facilitate food and water resources to shelters</li> </ul>
Pima County Office of Emergency Management & Homeland Security	<ul style="list-style-type: none"> <li>Support food and water procurement and distribution as needed</li> </ul>
Pima County Health Department	<ul style="list-style-type: none"> <li>Provide personnel to ensure compliance of all health aspects of storing and distribution of food and water resources</li> </ul>